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NOTICE OF ALLOWANCE AND FEE(S) DUE

22466 7590 11/24/2008 ASTRA ZENECA PHARMACEUTICALS LP GLOBAL INTELLECTUAL PROPERTY 1800 CONCORD PIKE.

WILMINGTON DE 19850-5437

EXAMINER

OLSON, ERIC

ART UNIT PAPER NUMBER

1623

DATE MAILED: 11/24/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/563,271	01/04/2006	Hui-Fang Chang	101151-1P US	6300	
TITLE OF INVENTION: OXAZOLIDINONE NICOTINIC ACETYLCHOLINE RECEPTOR AGONISTS					

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/24/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notifical	form should be used I correspondence including d below or directed off tions.	or tran	smitting the ISSU Patent, advance or in Block 1, by (a					hould be completed where correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				No Fer par hav	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
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APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR	3	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO		\$1510	\$300	\$0		\$1810	02/24/2009
EXAM	INER		ART UNIT	CLASS-SUBCLASS	J			
OLSON			1623	548-216000				
Change of correspondence address or indication of "Fee Address" (37 CFR 1.55). Change of correspondence address for Change of Correspondence Address form F10/5B/122) anached. The Address' indication for "Fee Address' Indication form Sumber's required. Comparison of the Address' Indication for the Address' Indication form Sumber's required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED O			Correspondence ation form e of a Customer E PRINTED ON T	or agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be FHE PATENT (print or ty	1) the names of up to 3 registered patent attorneys 1. 2) the name of a single firm (luving as a member a 2. gigstered attorney or agent) and the ammes of up to registered patent attorneys or agent. If no name is 3.			
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



UNITED STATES PATENT AND TRADEMARK OFFICE

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	LLECTUAL PROPERT	Y	ART UNIT	PAPER NUMBER	
1800 CONCOR WILMINGTON	O PIKE . DE 19850-5437		1623		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 262 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 262 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/563,271	CHANG ET AL.	
Examiner	Art Unit	
Fric S. Olson	1623	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to Applicant's amendment submitted August 29, 2008,
- 2. The allowed claim(s) is/are 1-17 and 22.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) \square All b) ☐ Some* c) ☐ None of the:
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. __
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08).
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit
- Paper No./Mail Date 8/29/08, 10/07/08 of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7.

 Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. ☐ Other .

/Shaojia Anna Jiang/

Supervisory Patent Examiner, Art Unit 1623.

Application/Control Number: 10/563,271

Art Unit: 1623

Detailed Action

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 29, 2008 has been entered.

This office action is a response to applicant's communication submitted August 29, 2008 wherein claims 1-11, 15, and 16 are amended and claims 18, 23, and 24 are cancelled. This application is a national stage application of PCT/GB04/02904, filed July 6, 2004, which claims benefit of provisional application 60/485523, filed July 8, 2003.

Claims 1-17 and 22 are pending in this application.

Claims 1-17 and 22 as amended are examined on the merits herein.

Reasons for Allowance

Applicant's amendment, submitted August 29, 2008, with respect to the rejection of instant claim 23 under 35 USC 112, first paragraph, for lacking enablement for a preventative method, has been fully considered and found to be persuasive to remove the rejection as claim 23 is no longer pending. Therefore the rejection is withdrawn.

Application/Control Number: 10/563,271

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Applicant's amendment, submitted August 29, 2008, with respect to the rejection of instant claims 18, 21, 23, and 24 under 35 USC 112, first paragraph, for lacking enablement for methods of treating all possible disorders involving the α7 nicotinic acid receptor, has been fully considered and found to be persuasive to remove the rejection as the rejected claims are no longer pending. Therefore the rejection is withdrawn.

Claims 1-17 and 22 are pending in this application and are examined on the merits herein.

The amendment submitted August 29, 2008 as discussed above is seen to be persuasive to remove all rejections of record in the previous office action and to place the application in condition for allowance. Reasons for allowance are as follows:

The claimed compounds and methods of assaying said compounds are seen to be adequately described and enabled by Applicant's specification. Specifically, p. 1 lines 9-21 provide adequate support for using nicotinic acetylcholine agonists as therapeutic agents. pp. 1-9 provide written description for the claimed compounds. Pp. 14-22 provide synthetic methods that enable one skilled in the art to make these compounds. Therefore the claims satisfy the requirements of 35 USC 112.

Furthermore the claims are seen to be novel and non-obvious over the prior art.

The prior art does not disclose any compounds having the claimed spiro-azabicyclo-oxizolidinone compounds with two aryl groups attached to the oxazolidinone as recited in the instant claims. Although Katayama et al. discloses spiro-azabicyclo-oxizolidinone compounds having one substituted aryl group, this reference does not disclose

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Art Unit: 1623

compounds in which the aryl group is substituted with a second aryl group. One of ordinary skill in the art would not have had any motivation to modify these prior art compounds by adding an aryl substituent as shown in the instant claims.

Accordingly, applicant's amendment presented August 29, 2008, is sufficient to remove all rejections made in the prior office action as discussed above and to place the application in condition for allowance.

Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled, "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric S. Olson whose telephone number is 571-272-9051. The examiner can normally be reached on Monday-Friday, 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shaojia Anna Jiang can be reached on (571)272-0627. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eric S Olson/ Examiner, Art Unit 1623 11/17/2008

/Shaojia Anna Jiang/ Supervisory Patent Examiner, Art Unit 1623